BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA ZONE

Name of Work : Estimate forRevenue building maintainance (Paints and Electrification) in Jakkur Village in ward no 07 Byataraynapura

Estimate Cost **5.00 lakhs**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB-2-2.1 Earthwork excavation for foundation of buildings awater supply sanitry lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exeeding 1.5m m in depth including dressing the bottom and the side of pits and trenches stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking the clods specification No.KBS 2.1 (a)/2.3.5 (Page No. 5/ Item No. 2.3) SR 2015-16						cum		
			1	15.60	0.60	0.60	5.62		
							5.62	188.68	1060.00
	Basic Rate	178.00							
	Area Weightage @ 6%	10.68							
	Total	188.68							
2	KSRRB M4-1.3 :Providing and laying in position plain cement concreate of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size grade granite metal coarce aggregate @0.85cum and fine aggregate @0.57cum machine mixed, concrete layed in layers not exxeding 15cms thick well compactedin foundation including cost of all m,aterials labour HOM of machinery curing complete as per Specification No. 4.1,4.2 **(Page No. 12 & Item No. 4.3) SR 2015-16**						Cum		
			1	15.60	0.60	0.15	1.40		
	floor		1	4.00	3.80	0.15	2.28		
							3.68	**4976.70**	**18334.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	4976.70							
3	KSRB 5.2.2 providing and constructing granite /trap/basalt size stone mazonary in foundation with cement mortor 1;8 stone hammerd dressed in coarse not less then 20cms high, bond stone at two m apart in each coarse including cost of all ,materials labour curing complete as per Specification No. 5.1.13 **(Page No. 23 & Item No. 5.5) SR 2015-16**						cum		
			1	15.60	0.45	0.45	3.16		
							3.16	**3910.34**	**12353.00**
	Basic Rate	3689.00							
	Area Weightage @ 6%	221.34							
	Total	3910.34							

4	KSRRB4.1.5 : Providing and laying in position plain cement concreate of mix M20 with OPC cement @300kgs with 20mm and down size grade granite metal coarse aggregates @0.69cum and fine aggregates @0.43cum with super plastisiser @3lts confirming to IS9103-1999 Reaffirmed 2008 mixed machine concrete laid in layers not exxeding 15cms thick well compacted in foundation plinth and cills includig cost of all materials labour HOM of machinery curing complete as per specifcations. MORTH Specification No. 4.1 4.2 **(Page No. 12 & Item No. 4.5) SR 2015-16**						**Cum**		
			1	15.6	0.45	0.10	0.70		
							0.70	**5880.88**	**4128.00**
	Basic Rate	5548.00							
	Area Weightage @ 6%	332.88							
	Total	5880.88							
5	KSRB 5.14 providing and constructing precast concrete solid blocks with compressive strenth not less than 3.5 new town per sqmm with cement mortor 1:4 masonary (quion , jamb, closer blocks) with solid concrete blocks of size 40X20X20cms conforming ti IS:2185/1965 in supper structure ibcluding cost of materials labour charges scaffolding curing complete as per Specification (**Page No. 25 & Item No. 5.27) SR 2015-16**						**Sqm**		
			1	19.60	3.00		58.80		
	Deduction D/O		2	1.10	2.10		4.62		
	Deduction W/O		2	0.60	1.20		1.44		
							52.74	**999.58**	**52718.00**
	Basic Rate	943.00							
	Area Weightage @ 6%	56.58							
	Total	999.58							
6	KSRB 8.3.2 Providing and laying to required line slope roofing with semi corrugated (Trafford) asbestous cement sheet 6mm thick fixed with galvanised iron J or L hooks , bolts and nuts 8mm dia CI plain and bitumen washers over the existing purluns , rafters and trusses including cost of all materials, labours , complete ads per Specification **(Page No. 46 & Item No.8.6) SR 2015-16**						**Sqm**		
			1	4.00	3.80		15.20		
							15.20	**408.10**	**6203.00**
	Basic Rate	385.00							
	Area Weightage @ 6%	23.10							
	Total	408.10							

7	Supplying and fixing pressed steel door frames size 125X65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasened honne wood , styles of 30mm thick with lock rail of 160 mm width top and side rails of 100mm width and bottom rails of 250mm width pannel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof , vermin proof , heat resistant gauranted shrinkage , warpage and such other defects for a period 3 years. this should be in approved drawings specfication and direction including cost of conveyance , manufacturing , painting with enamel paint 2coats over primer coat . cost of labour for all items work , machinery , equipment , andall other incident charges with all lead , lift , loading and unloadingetc complete th hollow portion of the frame to be filled with cement concreate 1:2;4 PWDSR 2015-16 item No. 7.26 page No. 40						**Sqm**		
			2	1.10	2.10		4.62		
							4.62	**3710.00**	**17140.00**
	Basic Rate	3500.00	✓				✓	✓	✓
	Area Weightage @ 6%	210.00	✓						
	Total	3710.00	✓						
8	Supplying and fixing pressed steel door frames size 125X65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix MS grills as per design and drawing using 12mm dia rods at 100mm centre to centre horizontally and two members of MS flats of 6mmX40mm size at 150mm apart , welded into a frame of 6mmX40mm size at 150mm apart , welded into frame of 6mm X40mm size MS flats with 16mm size lugs and 8nos of 100mm size hinges, 4nos of butt stay pins and nos . tower bolts and shutters half panelled and half glased with shutters made out of seasened honey wood , styles of 30mm thick and 100mm width and rails of 30mm thick and 100mm width and using 4mm thick pin headed glass and panel filling with 12mm thick particle board of exterior graded bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof , heat resistant guaranted against shrinkage , warp age such other defects for a period of 3 years this should be in approved drawings specfication and direction including cost of conveyance , manufacturing , painting with enamel paint 2coats						**Sqm** PWDSR 15-16 item No. 7.27 page No. 40		
			2	0.60	1.20		1.44		
							1.44	**4104.00**	**5910.00**
	Basic Rate	3800.00	✓				✓	✓	✓
	Area Weightage @ 8%	304.00	✓						
	Total	4104.00	✓						

9	KSRB 14-14-5 Providing ceramics tiles of approved make shade and size for flooring treads of steps and landing laid on a bed of 12mm thick cement mortor 1:3 mix flus pointing with mhite cement using colour pigment , including cost of alll materials, labour curing, complete as per Specification do for ceramics Tiles of size 15X15cms 6mm thick **(Page No.106 & Item No.14.36.1) SR 2015-16** Ceramic tiles of Size 15cm x 15 cm 6mm thick							**Sqm**		
			1	4.00	3.80			15.20		
								15.20	**924.32**	**14050.00**
	Basic Rate	872.00								
	Area Weightage @ 6%	52.32								
	Total	924.32								
10	KSRB 14-17-2 : Providing skirting dadoing , rises of steps with colour glazed tiles on 10mm thick cemen plaster 1;3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials labour complete ads per Specification KBS 14.16.14.17 **(Page No.106 & Item No.14.41) SR 2015-16** Coloured glazed tiles 15 x 15 cm 6 mm thicke							**Sqm**		
			1	15.60	1.20			18.72		
	Deduction D/O		2	1.10	2.10			4.62		
								14.10	**1037.74**	**14632.00**
	Basic Rate	979.00								
	Area Weightage @ 6%	58.74								
	Total	1037.74								
11	KSRB 15-3-2 Providing 12mm thick cement plaster in single coat with cement mortor 1:4 to brick masonary including rounding off corners herever required smooth rendering provind and removing scaffolding including cost of all materials, labours, complete as per Specification **(Page No. 112 & Item No.15.10) SR 2015-16**							**Sqm**		
			1	15.60	2.10			32.76		
	Deduction D/O		2	1.10	1.20			2.64		
	Deduction W/O		2	0.60	0.60			0.72		
								29.40	**166.42**	**4893.00**
	Basic Rate	157.00								
	Area Weightage @ 6%	9.42								
	Total	166.42								
12	KSRB 15-3-2 Providing 18mm thick cement plaster in single coat with cement mortor 1:4 to brick masonary including rounding off corners herever required smooth rendering provind and removing scaffolding including cost of all materials, labours , complete as per Specification **(Page No. 113 & Item No.15.16) SR 2015-16**							**Sqm**		
			1	15.60	2.10			32.76		
			2	4.00	2.10			16.80		
								49.56	**222.60**	**11032.00**
	Basic Rate	210.00								
	Area Weightage @ 6%	12.60								
	Total	222.60								

13	KSRB 11-1 Providing and fixing white vitreous china clay, water closet indian type (squatting pan)of size 580mm with footrests 100 mm S or P trap 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours etc complete as per specifications **Page No. 77& Item No.12.1) SR 2015-16**						**Sqm**		
			1				1.00		
							1.00	**3620.96**	**3621.00**
	Basic Rate	3416.00							
	Area Weightage @ 6%	204.96							
	Total	3620.96							
14	KSRB 11-7.2 Providing and fixing white viterous china clay , flat back , lipped front urinal basin of 430X260X350mm in the range of two 7.5 liters P.V.C with automatic flushing cistern, C.I / M.S brackets standard flush pipe and C.P brass spreders with brass union and G.I clamps paintings of fitting brackets , cutting and making the wall good and floor wherever required , including cost of materials, labours etc complete as per specifications KBS 11 **Page No. 78& Item No.12.8 SR 2015-16**						**Sqm**		
			2				2.00		
							2.00	**4240.00**	**8480.00**
	Basic Rate	4000.00							
	Area Weightage @ 6%	240.00							
	Total	4240.00							
15	KSRB 11-7.2 Providing and fixing white viterous china clay , flat back , wash basin of550X400mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets 32 mm C.P brass waste of standard pattern paintings of fitting brackets , cutting and making the wall good and floor wherever required , including cost of materials, labours etc complete as per specifications KBS 11 Page No.81& Item No.12.25 SR 2015-16						**Sqm**		
			1				1.00		
							1.00	**3770.42**	**3770.00**
	Basic Rate	3557.00							
	Area Weightage @ 6%	213.42							
	Total	3770.42							

16	KSRB 10.3 Providing and laying integral cement based water proffing treatment including preperation of surface as required for the treatment of roofs balconies terassas etc consisting of following application (a) Appling and grouting a slury coat of neat cement using 2.75 kg sqm of cement admixed with properitery water proofing compound conforming to IS2645 over the RCC slab after cleaning the surface before treatment (b0 Laying cement concrete using broken bricks bats properitery water proffing compound conforming IS 2645 over 20mm thick layer of cement mortor 1:5 admixed with proprietrery water proofing compound to required slope ad treating similarly the adjoining walls upto 300mm including rounding of junctions of walls and slabs. (c) After curing of proper two days , applying second coat of cement lury admixed with proprietary water proofing compound(d) finishing the surface with 20mm thick joint less cement mortor of mix1:4 admixed with proprietary water proffing compound and finally finished the surface with towel and neat cement slury and making of 300X300mm square (e) the whole terece so finished shall be flodded with water for minimum period						**Sqm**		
	old building		1	8.80	4.00		35.20		
							35.20	**909.48**	**32014.00**
	Basic Rate	858.00							
	Area Weightage @ 6%	51.48							
	Total	909.48							
17	KSRB 15-17.6 Providing and supplying painting two coats (excluding primer coat) on new wood surface and / or wood based surface with enamel paint yo give an even shade , clening the surface of all dirt dust and foriegn matter sand papering including cost of materials, labours etc complete as per specifications Page No118 & Item No15.60.1 SR 2015-16						**Sqm**		
									actually sqm
	Doors		2	1.10	2.10	2.50	11.55		
			3	2.25	1.20	2.10	17.01		
	windows		2	1.10	1.20	2.00	5.28		
			7	1.20	1.50	2.00	25.20		
							59.04	**85.86**	**5069.00**
	Basic Rate	81.00							
	Area Weightage @ 6%	4.86							
	Total	85.86							
18	KSRB 15-13.3 Providing and pplying two coats dry distemper of approved brand and shade on wall surface including priming coat and whitening after throughly brooming the surface to remove all dust mortor drops and other forien matter including prepering the surface even and sand paper smooth cost f materials , labours etc complete as per specifications KBS 11 Page No115 & Item No.15.47 SR 2015-16						**Sqm**		
			1	106.80	4.80		512.64		
			1	15.60	2.20		34.32		
	Deduction D/O		3	2.20	1.20		7.92		
			2	1.10	2.10		4.62		
	Deduction W/O		7	1.20	1.50		12.60		
			2	1.10	1.20		2.64		
	d/c total						**27.78**		
	Compound		2	360.00	1.50		1080.00		
							1599.18	**49.82**	**79671.00**
	Basic Rate	47.00							
	Area Weightage @ 6%	2.82							
	Total	49.82							

19	KSRB 15-14-1 Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortor drops and other forien matter including preparing the surface even and sand paper smooth cost of materials labours complete as per specifications Page No116 & Item No.15.49 SR 2015-16						Sqm		
	inside paints		1	106.30	3.00		318.90		
	ceiling		1	92.09	1.00		92.09		
							410.99	**69.96**	**28753.00**
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	69.96							
20	Providing Electrification								**100000**
21	Providing water supply, & Miscelleneous Rounding off								**76169**
								Total	**500000.00**
(Rupees Five Lakh Only)									

CERTIFICATE

1. **The work spot has been inspected and the work is found necessary.**
2. **This estimate is prepared as per C.S.R. of 2015-16**
3. **The provisions were made in this estimate are necessary and adequate.**
4. **This works come under B.B.M.P. limits.**

H.V. 8/12/15
Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

Assistant Engineer
ward 7

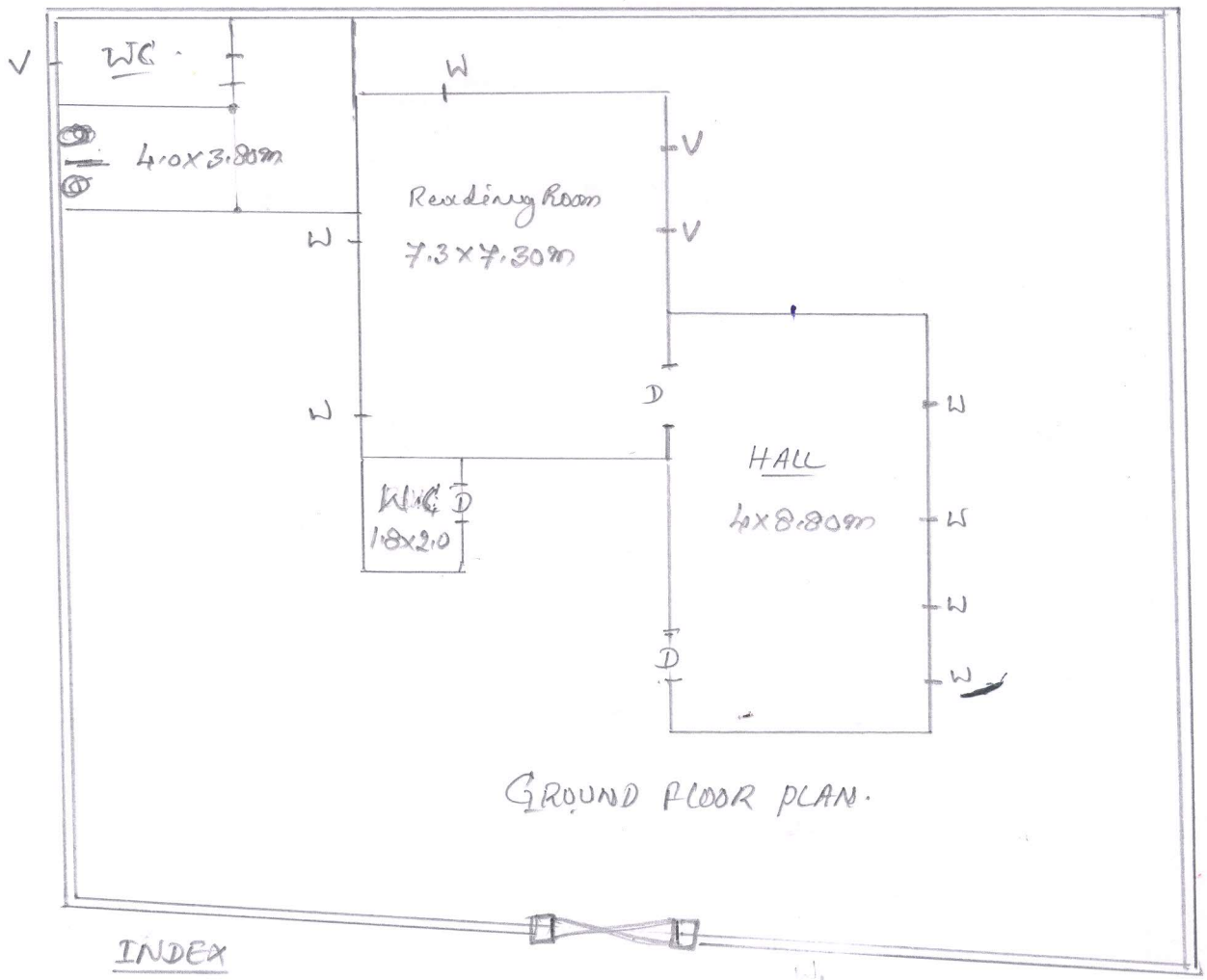
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. Five lakhs only
Head of A/c. P-1771
Div. Ref. No. 175 Date 14.12.15
AE
H.V. EE(BTP) 14/12

TECHNICAL SANCTION
Accorded For Rs. Five lakhs only
Head of A/c. P-1771
Div. Ref. No. 184 Date 14.12.15
AE
H.V. EE(BTP) 15/12

NAME OF WORKS: Revenue Building maintenance painting and Electrification in Jaddipur village ward no 7 Bye-election purposes.
Est Cost Rs 5.00 Lakhs.



GROUND FLOOR PLAN.

INDEX

D = 1.20x2.20m
W - 1.2x1.20m
W_1 - 1.50x1.20m
V = 0.60x0.60m.